



ACQUISITION,
TECHNOLOGY
AND LOGISTICS

THE UNDER SECRETARY OF DEFENSE

3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3010

APR 13 2006

MEMORANDUM FOR CHAIRMAN, DEFENSE SCIENCE BOARD

SUBJECT: Terms of Reference - Defense Science Board Task Force on Defense Biometrics Program

You are requested to form a Defense Science Board (DSB) Task Force on Defense Biometrics Program.

The Department of Defense (DoD) created a biometrics management approach defined by pre-9-11 documentation. As a result, all activities in the post-9-11 period are reactive with ad hoc resources and management teams responding to warfighter applications that attempt to leverage emerging developments in biometric technologies. Today, DoD must develop a cogent plan of action to institutionalize biometrics as a vital element of the Department's identity management capability.

DoD needs include: (1) development of an effective management plan comprising aspects of the Office of the Secretary of Defense (OSD), the Joint Staff (JS), Military Departments and Combatant Commanders; (2) establishment of an effective approach to resource activities to support emerging warfighter biometric needs in the Global War on Terrorism; (3) establishment of biometric measures of effectiveness; (4) establishment of science and technology activities that promote biometric advancement; and (5) establishment of effective operational support to the warfighter.

The Task Force should address the following:

1. Define the role of biometrics technologies and capabilities within DoD's Mission Space. The Mission Space should identify new customers and partners developed since 9-11 and the ability of biometric technologies to adapt to the changing Mission Space. As a minimum the evolving Mission Space must include interagency and international activities, industry and academic relationships, and Non Government Organizations.

2. Recommend best organizational fit within DoD to implement the biometric and identity management and identity dominance missions. The Task Force should examine the organizational roles which best achieve this in both a DoD wide framework and the interagency framework: Specifically:



a. Identify the proper role of OSD. Should a biometrics Principal Staff Assistant (PSA) role exist to champion advocacy, resource sponsorship and requirements validation?

b. What is the proper role of the Joint Staff and Combatant Commanders in biometric activities?

c. What role should the Military Departments exercise in biometric activities? Is Executive Agency the proper vehicle for DoD biometric program implementation?

d. What is the best acquisition mechanism for developing and obtaining biometric capabilities?

3. Identify the biometric mission space metrics across the major applications (e.g. physical and logical access, intelligence, data sharing, Homeland Defense, force protection/counter terrorism, privacy protection, administrative and business practices – pay, human resource, medical, digital signature etc)

4. Develop a methodology to address needed taxonomy and policy development activities within the Department of Defense.

5. Identify the activities required for effective operational support and organizations structure to support those activities.

6. After its initial report the Task Force should consider the following topics:

a. Parsing the defense in depth mission space for the biometric community of interest;

b. Developing a science and technology approach to multimodal analysis of collected biometric data (e.g., matching the fingerprints of an individual collected in one geographic encounter with the iris scan data collected in another);

c. Developing a technology approach to combining transliteration with biometrics to establish the identity of an individual.

7. The Task Force will report interim results to USD(P) and VCJCS in May 2006. The final report will be due in Nov 2006.

The Study will be co-sponsored by myself, as the Under Secretary of Defense (Acquisition Technology and Logistics), the Under Secretary of Defense (Policy) and the Vice Chairman, Joint Chiefs of Staff. Dr. Joe Markowitz will serve as Chairman and Mr. William Gravell will serve as co-Chairman of the Task Force. Ms. Christina

Filarowski Sheaks will serve as Executive Secretary and Maj Chad Lominac, USAF, will serve as the Defense Science Board Secretariat representative.

The Task Force will operate in accordance with the provisions of P.L. 92-463, the "Federal Advisory Committee Act," and DoD Directive 5105.4, the "DoD Federal Advisory Committee Management Program." It is not anticipated that this Task Force will need to go into any "particular matters" within the meaning of section 208 of Title 18, U.S. Code, nor will it cause any member to be placed in the position of acting as a procurement official.



Kenneth J. Krieg